

CENTRAL NEVADA DESERT BASINS, DIAMOND-MONITOR VALLEYS

10245910 MOSQUITO CREEK NEAR BELMONT, NV

LOCATION.--Lat 38°48'22", long 116°40'43" referenced to North American Datum of 1927, in NW 1/4 SW 1/4 sec. 10, T.11 N., R.47 E., Nye County, Hydrologic Unit 16060005, on right bank, 17.9 mi northeast of Belmont, 27.4 mi east of Carvers on State Highway 376, and 59 mi northeast of Tonopah.

DRAINAGE AREA.--15.1 mi².

PERIOD OF RECORD.--October 1977 to September 1982, October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92 ft³/s, June 7, 1978, gage height, 3.55 ft; minimum daily, 0.01 ft³/s, August 9-12, 2004.EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 29, 1983; discharge, 119 ft³/s, gage height, 5.00 ft, runoff from snowmelt.PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4.0 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	May 29	0545	*1.3	*1.12					

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.14	0.27	0.31	e0.29	e0.30	0.18	0.61	0.63	0.90	0.33	0.03	0.02
2	0.15	0.26	0.29	e0.29	e0.30	0.16	0.61	0.63	0.81	0.33	0.04	0.02
3	0.18	0.28	0.29	e0.29	e0.30	0.13	0.64	0.65	0.78	0.33	0.03	0.04
4	0.17	0.25	0.30	e0.29	e0.30	0.14	0.61	0.67	0.75	0.32	0.02	0.05
5	0.17	0.27	0.30	e0.29	e0.30	0.15	0.61	0.69	0.72	0.29	0.02	0.05
6	0.17	0.27	0.28	e0.29	e0.30	0.18	0.63	0.72	0.70	0.25	0.02	0.04
7	0.19	0.27	0.27	e0.29	e0.30	0.22	0.61	0.74	0.67	0.21	0.02	0.03
8	0.19	0.27	0.25	e0.29	e0.32	0.29	0.60	0.75	0.68	0.18	0.02	0.03
9	0.20	0.29	0.26	e0.29	e0.32	0.37	0.60	0.81	0.70	0.16	0.01	0.03
10	0.22	0.31	0.30	e0.29	e0.34	0.39	0.61	0.82	0.74	0.14	0.01	0.03
11	0.23	0.27	0.29	e0.29	e0.34	0.36	0.60	0.84	0.73	0.12	0.01	0.03
12	0.23	0.29	e0.29	e0.29	0.32	0.38	0.60	0.86	0.67	0.11	0.01	0.04
13	0.23	0.32	e0.28	e0.29	0.31	0.35	0.61	0.87	0.60	0.10	0.02	0.03
14	0.24	0.31	e0.28	e0.29	0.31	0.38	0.61	0.86	0.66	0.09	0.04	0.04
15	0.24	0.31	0.29	e0.29	0.33	0.42	0.59	0.87	0.83	0.09	0.06	0.05
16	0.24	0.32	0.28	e0.29	0.35	0.42	0.57	0.91	0.69	0.17	0.06	0.04
17	0.24	0.33	0.29	e0.30	0.36	0.44	0.59	0.92	0.67	0.23	0.05	0.04
18	0.22	0.32	e0.28	e0.30	0.36	0.49	0.62	0.96	0.78	0.26	0.05	0.04
19	0.22	0.32	e0.28	e0.30	0.35	0.57	0.66	1.0	0.64	0.23	0.05	0.06
20	0.22	0.32	e0.28	e0.30	0.33	0.64	0.66	1.1	0.56	0.09	0.05	0.07
21	0.22	0.32	e0.28	e0.30	0.30	0.71	0.66	1.1	0.54	0.07	0.05	0.08
22	0.23	0.24	e0.28	e0.30	0.29	0.75	0.65	1.1	0.51	0.06	0.05	0.08
23	0.23	e0.25	0.29	e0.30	0.28	0.74	0.63	1.1	0.47	0.05	0.05	0.08
24	0.24	e0.26	0.29	e0.30	0.27	0.74	0.62	1.1	0.44	0.05	0.05	0.07
25	0.24	e0.27	0.29	e0.30	0.27	0.70	0.63	1.1	0.42	0.05	0.05	0.07
26	0.25	e0.28	e0.28	e0.30	0.27	0.66	0.64	1.1	0.41	0.04	0.04	0.07
27	0.25	0.28	e0.28	e0.30	0.26	0.58	0.67	1.0	0.38	0.04	0.05	0.07
28	0.26	0.31	e0.28	e0.30	0.21	0.52	0.68	1.0	0.39	0.05	0.05	0.07
29	0.25	0.34	e0.28	e0.30	0.20	0.50	0.68	1.2	0.43	0.04	0.04	0.08
30	0.26	0.34	e0.29	e0.30	---	0.51	0.65	1.1	0.35	0.03	0.03	0.09
31	0.27	---	e0.29	e0.30	---	0.53	---	0.97	---	0.03	0.03	---
TOTAL	6.79	8.74	8.82	9.14	8.79	13.60	18.75	28.17	18.62	4.54	1.11	1.54
MEAN	0.22	0.29	0.28	0.29	0.30	0.44	0.62	0.91	0.62	0.15	0.04	0.05
MAX	0.27	0.34	0.31	0.30	0.36	0.75	0.68	1.2	0.90	0.33	0.06	0.09
MIN	0.14	0.24	0.25	0.29	0.20	0.13	0.57	0.63	0.35	0.03	0.01	0.02
AC-FT	13	17	17	18	17	27	37	56	37	9.0	2.2	3.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2004, BY WATER YEAR (WY)

MEAN	0.75	0.70	0.57	0.51	0.49	0.65	1.48	6.42	9.71	2.94	1.13	0.72
MAX	1.87	1.67	1.15	1.17	1.02	1.47	3.66	21.8	56.7	16.4	4.79	2.36
(WY)	(1996)	(1996)	(1999)	(1996)	(1988)	(1988)	(1985)	(2001)	(1995)	(1995)	(1995)	(1995)
MIN	0.22	0.21	0.18	0.16	0.09	0.27	0.49	0.91	0.62	0.15	0.04	0.05
(WY)	(2004)	(1978)	(1978)	(1991)	(1987)	(1991)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1978 - 2004	
ANNUAL TOTAL	172.85		128.61		2.18	
ANNUAL MEAN	0.47		0.35		7.87	1995
HIGHEST ANNUAL MEAN					0.35	2004
LOWEST ANNUAL MEAN					79	Jun 8, 1978
HIGHEST DAILY MEAN	2.6	Jun 1	1.2	May 29	0.01	Aug 9
LOWEST DAILY MEAN	0.12	Sep 29	0.01	Aug 6	0.01	Aug 9, 2004
ANNUAL SEVEN-DAY MINIMUM	0.13	Sep 24	0.01	Aug 6	0.01	Aug 6, 2004
MAXIMUM PEAK FLOW			1.3	May 29	92	Jun 7, 1978
MAXIMUM PEAK STAGE			1.12	May 29	3.55	Jun 7, 1978
ANNUAL RUNOFF (AC-FT)	343		255		1,580	
10 PERCENT EXCEEDS	1.1		0.72		4.2	
50 PERCENT EXCEEDS	0.30		0.29		0.72	
90 PERCENT EXCEEDS	0.19		0.04		0.28	

e Estimated